



Weekly Construction Report

Hatchery Creek Design/Build Project



Time Period:	November 1-7, 2015	Project No:	1305
Rain Days/Weather Conditions:	Rained 0.5" on Friday (Burkesville gauge). However, we were able to work both Friday on Saturday on limited areas.		
Personnel on-site:	<i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Jim Hanssen, Larry Mounce, Brad Redmon, Chad Relinski, Randall "Mokie" Starns, Randall Starns, Jr., Sherri Arthur Trucking-John Arthur.		
Equipment on-site:	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 160 w/ hyd. thumb, Komatsu PC 210 excavator, Komatsu PC 240 excavator, Terex TA27 articulated off-road dump truck, Bobcat T300 skid steer, & Morooka 2200 track dump truck.		
Material deliveries to project site:	<ul style="list-style-type: none"> 143 tons of spawning gravel (1,802 tons to date). This completes contract amount of 1,800 tons. ~150 tons of #8 stone for culvert bedding and backfill. ~222 tons of 24" dia. rock for boulders and ravine spillway. 		
Work performed the past week:	<ul style="list-style-type: none"> Reach upstream of Campground Road/ ~Sta. 113+00 to 118+40: <ul style="list-style-type: none"> Excavated soil from channel and floodplain from ~Sta. 113+50 to end of proposed culvert at 116+81. Hauled ~1,380 CY of soil from channel and floodplain excavation to Public Fishing Area next to temporary diversion. Hauled ~3,000 CY of soil from channel and floodplain excavation to Corps Disposal Area to cover where rock pile was located. Built braided channel from ~Sta. 113+50 to 116+60 (almost to end of proposed culvert at Campground Road). Ground down mitered edges of culvert so they would be smoother, prior to installation planned for next week. Reach downstream of migration barrier /~Sta. 105+90 to 113+00: <ul style="list-style-type: none"> Excavated for and built majority of remaining ravine spillway with 24" dia. rock. Installed ~20 l.f. of HDPE liner, clay, and rock upstream of, and across, the migration barrier step. Chinked gaps in migration barrier splash pad with rock. Public Fishing Area/ ~Sta. 101+91 to 105+90: <ul style="list-style-type: none"> Excavated for and started forming for new concrete sidewalk. Started building floodplain berm on Left Descending Bank from ~Sta. 104+50 to the ravine spillway. 		
Erosion & sediment controls installed/maintained:	❖ Installed temporary seed along haul roads and small finished areas on Site #2.		
Work scheduled for next week:	<ul style="list-style-type: none"> Finish building migration barrier side walls. Finish building ravine spillway. Install culvert under Campground Road. Install new sidewalk adjacent to Public Fishing Area. Build channel through Public Fishing Area. 		
Work planned for two weeks ahead:	<ul style="list-style-type: none"> Finish grading banks upstream of Campground Road. Turn flow from Hatchery into new stream to test the system. Clean up haul roads and Corps Disposal Area. 		
General Comments:	➤ The Hatchery Creek Public Fishing Area is closed November 2-30 so we may finish construction in that area.		
Prepared by: Eric Dawalt, P.E.	Date: 11-7-2015		



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Pictures from the past week's construction:



Delivering spawning gravel to the site. (Picture taken on Campground Road).



Reach upstream of Campground Road: Riffle in center of picture is being built out of shot rock, at upstream end of braided channel. (Picture taken from ~Sta. 113+00 looking downstream).



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Reach upstream of Campground Road: Riffle in center of picture has been covered in spawning gravel and boulders. Soil is being excavated from the channel in the background. (Picture taken from ~Sta. 113+00 looking downstream).



Reach upstream of Campground Road: Hauling spawning gravel into stream. (Picture taken from LDB at ~Sta. 114+50 looking upstream).



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Reach upstream of Campground Road: Installing wood in banks for wood/rock toe in pool. Soil is being excavated from the channel in the background. (Picture taken from LDB at ~Sta. 113+50 looking downstream).



Reach upstream of Campground Road: Close-up picture of wood installed in banks for wood/rock toe in pool, before rock is added. Soil is being excavated from the channel in the background. (Picture taken from LDB at ~Sta. 114+00 looking downstream).



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Reach upstream of Campground Road: Installing shot rock to anchor wood in the banks for wood/rock toe in pool. Spawning gravel will be installed over the shot rock. (Picture taken from RDB at ~Sta. 114+50 looking downstream).



Reach upstream of Campground Road: Completed pools in braided channel reach with logs, rootwads, and spawning gravel for habitat. (Picture taken from LDB at ~Sta. 115+00 looking across the channel).



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Reach upstream of Campground Road: Completed braided channel reach, prior to water filling stream. (Picture taken from Campground Road at ~Sta. 117+50 looking upstream).



Migration Barrier: Geotextile fabric has been installed upstream of the migration barrier step. HDPE liner is being brought in to install over geotextile. (Picture taken from RDB at ~Sta. 105+80 looking across channel).



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Migration Barrier: HDPE liner being installed upstream of the migration barrier step. Upstream edge of liner was installed in a trench. (Picture taken from approximate same location as above).



Migration Barrier: HDPE liner being covered with 12" of clay. (Picture taken from approximate same location as above).



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Migration Barrier: HDPE liner covered with 12" of clay and being covered with 12" of rock on bottom and sides. (Picture taken from approximate same location as above).



Aerial photograph of Site #3/step pool reach. U.S. Army Corps of Engineers Wolf Creek Dam can be seen in background. (Picture taken from above Cumberland River looking southwest).